B3

June, 21, 1985

KSD067922161

MEMORANDUM

Re: Preliminary Assessment of Gulf Adhesives & Resins ; Shawnee Mission, Ks.

From: Steven Kinser
To: Gale Wright

The assessment of this site is brief. There is no indication that any large quantities of hazardous waste has ever been generated at this site. The largest quantity of hazardous substance kept on site is a five gallon can of formaldehyde. A small quantity of toluene was also probably used. The assessemnt provides no evidence of any spills or mishandeling of any material. The facility was primarily an R&D facility for adhessive products. The area sorrounding the site is paved with asphalt therefore any of the minor spills which may have occurred would have been directed to the municipal sewer system rather than ground water.

There is no evidence that the site represents any threat to human health or the environment, therefore is is my recomendation that no additional action is necessary at this site.

Gale A. Wright
Agree
6/21/85

disagree

comments

Gale:

Attached is 1. P.A review.
2. FOD
3. Write off letter draft
to:
A. Company
B. Current occupant

04

ecology and environment, inc.

FAIRWAY WEST OFFICE BLDG., 4350 JOHNSON DRIVE, SHAWNEE MISSION, KANSAS 66205, TEL. 913-432-9961

International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO

FROM: Stephen Yarbrough, E&E/FIT

DATE: May 31, 1985

SUBJECT: Preliminary assessment of Gulf Adhesives & Resins (currently Perkins Industries)
TDD# R-07-8502-02

The Ecology and Environment, Inc. Field Investigation Team (E&E/FIT) was tasked on February 4, 1985 to perform a preliminary assessment of Gulf Adhesives and Resins, now known as Perkins Industries, located at 9009 W. 67th Street in Shawnee Mission, Kansas. The site was identified by the Region VII office of the U.S. Environmental Protection Agency (EPA) under the Resource Conservation and Recovery Act (RCRA) following the filing of a Notification of Hazardous Waste Activity form (No. 8700-12). The purpose of this preliminary assessment is to determine any hazards potentially posed by this site and to make recommendations concerning the need for further investigation.

The W. 67th Street facility where Perkins Industries is currently located was originally owned by Spencer Chemical Company. Spencer Chemical sold the facility to Gulf Oil during the early 1960's. Gulf utilized the majority of the facility's space to operate a chemical pilot plant. A chemical pilot plant functions as a testing and research operation to develop new and improve existing processes for chemical synthesis. In addition to the pilot plant, three other divisions of Gulf Oil and a subsidiary company operated at the facility between 1960+ and 1982. Gulf Adhesives and Resins (GAR) was one of these divisions. GAR began operation in 1976 and was involved in laboratory research and development of commercial and industrial adhesives and resins. Soon after the arrival of GAR, Gulf shut down the pilot plant operation and began dismantling the process. By 1982, GAR was the only division of Gulf Oil operating at the W. 67th Street facility. In the same year Perkins Industries purchased the resin and adhesive business, but not the facility, from Gulf Oil. As part of the purchase contract, Perkins leases the entire facility, although they only use the laboratory area. Perkins is involved in the same area of research and development as GAR, specifically in the development of urea-formaldehyde resins and polyvinyl acetate (white glue).

Perkins Industries is located at 9009 West 67th Street, Shawnee Mission, Kansas 66201. The legal description is the SW 1/4, NW 1/4, SW 1/4 of Section 13, T.12 S., R.24 E. The approximate site coordinates are 39° 00' 30" N., 94° 41' 10" W. (Ref. 2). The entire facility is built on approximately 2 acres of land (Ref. 1). Perkins Industries is located in an industrial park area and is bordered by other research and manufacturing facilities.

Gulf Adhesives and Resins originally filed their Notification of Hazardous Waste Activity form (8700-12) in August, 1980. At that time, site contact Ronald Blecke (236-7503) listed Gulf Adhesives and Resins as a generator and a treat/store/dispose facility for formaldehyde and toluene. This filing was in large part due to uncertainty over RCRA regulations. Mr. Blecke, Perkins Research Supervisor and former GAR employee, advised the E&E/FIT personnel during an April 11, 1985 site visit, that this form was not completely accurate. Mr. Blecke stated that no formaldehyde or toluene products had ever been disposed of at this site. Furthermore, neither of these substances are stored on-site in a spent or waste state. Formaldehyde is completely consumed in the production of copolymer resins. Mr. Blecke also stated that very small amounts of toluene may have been used on-site, at some time, as a solvent for rinsing lab equipment. No spills of either of these substances has occurred on-site to Mr. Bleck's knowledge. The small amounts of wastes generated from research are solidified and placed in the facility dumpster. An inspection of the facility and the grounds by E&E/FIT revealed no uncontrolled contaminated wastes at this facility (Ref. 1).

Perkins Industries maintains a stock of five gallons of formaldehyde at their facility. The toxicity of formaldehyde is moderate. Formaldehyde is very volatile. The persistence however is low. Toluene is also of moderate toxicity and it is somewhat persistent in the environment (Ref. 4). Formaldehyde is never used in the lab area in a volume greater than 1 gallon (Ref. 1).

The Perkins Industries facility is built upon a Sharpsburg - Urban Land complex. The slopes are from three to eight percent (Ref. 3). The surrounding grounds in this particular area are asphalted with very little open area (Ref. 1). Permeability in such an area is slow or non-existent over the urban land complex (Ref. 5). If spills of contaminants had occurred at this site, there is strong possibility that they would runoff over asphalted areas into the surrounding complex of storm sewers. The water in this area is obtained from municipal sources.

Due to the lack of any hazardous waste products associated with this facility it is the recommendation of E&E/FIT that the former GAR facility (Perkins Industries) requires no further investigation at this time.

SY:sd

References

1) On-site observations and interviews with site personnel conducted April, 1985 by Steve Yarbrough and Mark Mayo, E&E/FIT.

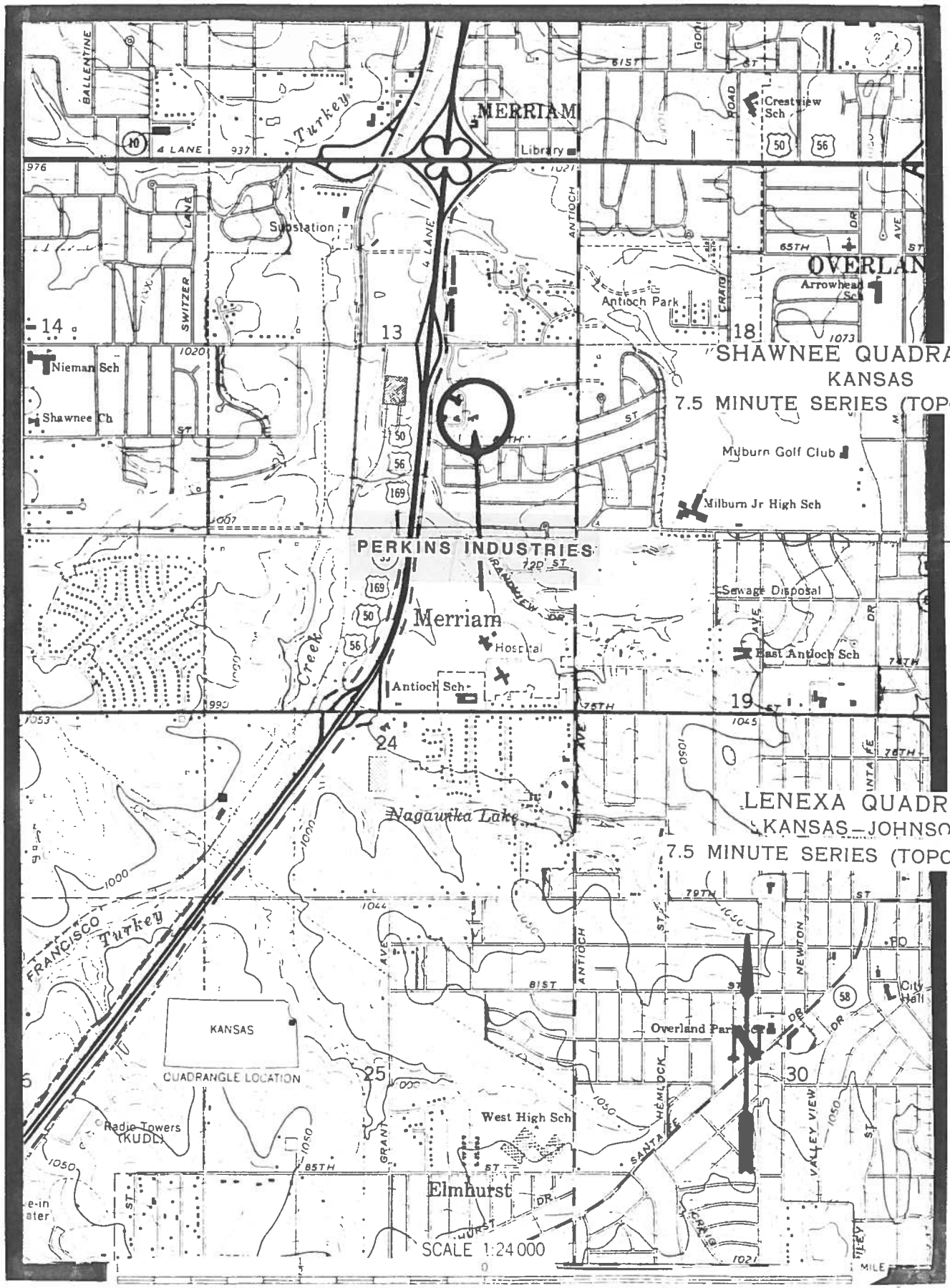
2) Lenexa, Kansas 7.5 Minute Topographic Map, Shawnee, Kansas 7.5 Minute Topographic Map, United States Geological Survey, 1975.

3) Comprehensive Environmental Response Compensation & Liability Act (CERCLA) file obtained from the Region 7 office of the U.S. EPA, EPA ID# KSD067922161.

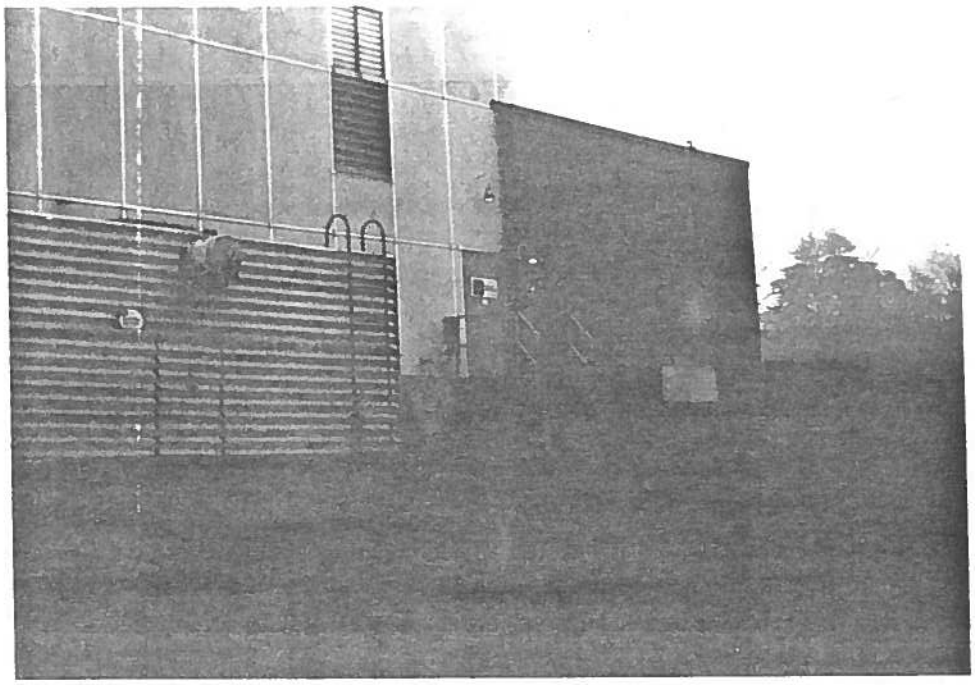
4) Toxic and Hazardous Industrial Chemicals Safety Manual, The International Technical Information Institute, 1979, pg. 249 and 525.

5) Soil Survey of Johnson County, Kansas, United States Department of Agriculture - Soil Conservation Service, 1979.

PERKINS INDUSTRIES



CONTOUR INTERVAL 10 FEET



Photographer:

Steve Yarbrough

Witness:

Mark Mayo

Date: April 11, 1985

Time: 8:30 AM

Direction North

No. 1 Subject: Building in which Perkins Industries is located.

Facility Perkins Industries

Photographer:

Witness:

Date

Time:

Direction

No. Subject:

Facility

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I IDENTIFICATION

01 STATE	02 SITE NUMBER
KS	D067922161

II SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Gulf Adhesives and Resins	9009 West 67th Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST.
Shawnee Mission	KS	66201	Johnson		

09 COORDINATES LATITUDE	LONGITUDE
39°00'30"N	94° 41' 10" W

10 DIRECTIONS TO SITE (Starting from nearest public road)

From nothbound I-35 exit right onto 67th St. Go east 50 yards and enter Bayvet facility on right. Go the back of the Bayvet facility and the Perkins facility is on the right.

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
Gulf Oil (Ronald Koval)	P.O. Box 3076

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
Houston	TX	77253	(713-754-4112

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
Ronald Blecke	9009 West 67th Street

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
Shawnee Mission	KS	66201	(913)236-7503

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER _____ (Specify) ☐ G. UNKNOWN

14 OWNER OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED 8 / 1 / 80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED ___ / ___ / ___ (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES ☐ NO DATE 4 / 11 / 85 (MONTH DAY YEAR)

BY (Check all that apply)

☐ A. EPA ☒ B. EPA CONTRACTOR ☐ C. STATE ☐ D. OTHER CONTRACTOR

☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER _____ (Specify)

CONTRACTOR NAME(S) Ecology and Environment, Inc.

02 SITE STATUS (Check one)

☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

1976 (BEGINNING YEAR) | 1982 (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

4122 - Formaldehyde
4220 - Toluene (methyl benzene)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

None at this time.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspection on time available basis) ☒ D. NONE (No further action needed; complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
Ronald Blecke - Product Develop.	Manager Perkins Industry	(913)236-7503

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
Stephen L. Yarbrough	E&E	FIT	(913) 432-9961	___ / ___ / ___ (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
KS	D067922161

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- A. SOLID
- B. POWDER, FINES
- C. SLUDGE
- D. OTHER (Specify)
- E. SLURRY
- X F. LIQUID
- G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- X A. TOXIC
- B. CORROSIVE
- C. RADIOACTIVE
- D. PERSISTENT
- E. SOLUBLE
- F. INFECTIOUS
- G. FLAMMABLE
- X H. IGNITABLE
- X I. HIGHLY VOLATILE
- J. EXPLOSIVE
- K. REACTIVE
- L. INCOMPATIBLE
- M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS	5 gal.		toluene
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	Toluene	108-88-3	unknown		
OCC	Formaldahyde	50-00-0	5 gallons		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See attached references.

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
KS	D067922161

II HAZARDOUS CONDITIONS AND INCIDENTS

01 A GROUNDWATER CONTAMINATION | 02 OBSERVED (DATE) | POTENTIAL | ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 B SURFACE WATER CONTAMINATION | 02 OBSERVED (DATE) | POTENTIAL | ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 C CONTAMINATION OF AIR | 02 OBSERVED (DATE) | POTENTIAL | ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 D FIRE/EXPLOSIVE CONDITIONS | 02 OBSERVED (DATE) | POTENTIAL | ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

Toluene has the characteristic of ignitability.----- Flash point 40°F

01 ☐ E DIRECT CONTACT | 02 ☐ OBSERVED (DATE) | ☐ POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 ☐ F CONTAMINATION OF SOIL | 02 ☐ OBSERVED (DATE) | ☐ POTENTIAL | ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED (Acres) | 04 NARRATIVE DESCRIPTION

None known

01 ☐ G DRINKING WATER CONTAMINATION | 02 ☐ OBSERVED (DATE) | ☐ POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 ☐ H WORKER EXPOSURE/INJURY | 02 ☐ OBSERVED (DATE) | ☐ POTENTIAL | ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

01 ☐ I POPULATION EXPOSURE/INJURY | 02 ☐ OBSERVED (DATE) | ☐ POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED | 04 NARRATIVE DESCRIPTION

None known

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
KS	D067922161

II. HAZARDOUS CONDITIONS AND INCIDENTS (If unknown, so state)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None known

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species, if known)

None known

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None known

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills, runoff, standing liquids, leaking drums) — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED ____ 04 NARRATIVE DESCRIPTION

None known

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None known

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None known

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE ____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None known

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

None known

III. TOTAL POPULATION POTENTIALLY AFFECTED: NA

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See attached references.